



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010523
CERTIFICATION DATE: February 18, 2014
DATE RECERTIFICATION DUE: August 17, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L 0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.007 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

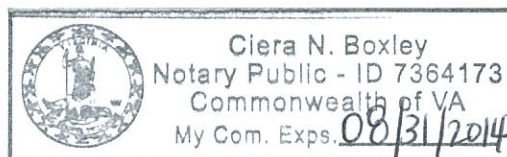
Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 5th day of March, 2014 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



DBH
TLN

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 2/20/2014**

Instrument Serial Number: 010523

As of 20-Feb-14

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
18-Feb-14	18-Feb-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
04-Sep-13	04-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
19-Mar-13	19-Mar-13	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
27-Sep-12	27-Sep-12	DBH (21250)	CERTIFIED.
11-Apr-12	11-Apr-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
25-Oct-11	25-Oct-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
14-Jun-11	14-Jun-11	DBH (21250)	CERTIFIED
28-Dec-10	28-Dec-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
08-Jul-10	08-Jul-10	DBH (21250)	CERTIFIED
13-Jan-10	13-Jan-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
04-Aug-09	04-Aug-09	DBH (21250)	CERTIFIED.
10-Mar-09	10-Mar-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
14-Nov-08	14-Nov-08	DBH (21250)	CERTIFIED.
07-Nov-08	07-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
TLW

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010523 Worksheet Start Date 2/18/2014
Location Buckingham CO SO
Address 13043 James Anderson Hwy Buckingham VA 23921
DFS Technician Donald Hall License No. 21250

☐ Laboratory

☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 753 Reference Barometer (mm HG) 750
Reference Barometer(RB)Serial # 009109 RB Calibration Due 8/1/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.297
0.300	0.297	0.288	0.305	Sample 2	0.297
Precision		sample min	sample max	Sample 3	0.297
0		0.297	0.297		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.099	0.096	0.102	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.098
0.001		0.098	0.099		

Dry gas standard Lot No. (with tank no.) AG332301-03

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50

Notes:

Instrument Serial Number

010523

Certification Date

2/18/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.243
0.250	0.247	0.239	0.254	Sample 2	0.243
Precision		sample min	sample max	Sample 3	0.243
0		0.243	0.243		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.147
0.150	0.148	0.143	0.152	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.147
0.001		0.147	0.148		

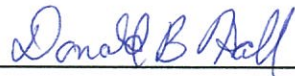
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.079	0.076	0.082	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

2/20/14

Issuing Analyst



Date

2/21/14

DBH
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010523 Test Number: 468

Test Date: 02/18/2014 Test Time: 15:15 EST

Technician Initials: DBH

Dry Gas Target: 0.247

Lot Number: 2961225012-09 Exp Date: 11/01/2014

Tank Pressure: 463 psi Barometric Pressure: 752 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:15
BLK	0.000	15:16
CHK	0.243	15:17
BLK	0.000	15:18
CHK	0.243	15:19
BLK	0.000	15:21
CHK	0.243	15:22
BLK	0.000	15:24

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010523 Test Number: 469

Test Date: 02/18/2014 Test Time: 15:26 EST

Technician Initials: DBH

Dry Gas Target: 0.148

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 95 psi Barometric Pressure: 752 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:26
BLK	0.000	15:27
CHK	0.147	15:28
BLK	0.000	15:29
CHK	0.148	15:30
BLK	0.000	15:31
CHK	0.147	15:32
BLK	0.000	15:34

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH
TLV

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010523 Test Number: 470

Test Date: 02/18/2014 Test Time: 15:36 EST

Technician Initials: DBH

Dry Gas Target: 0.079

Lot Number: 0771308012-01 Exp Date: 05/01/2015

Tank Pressure: 556 psi Barometric Pressure: 753 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:37
BLK	0.000	15:38
CHK	0.079	15:38
BLK	0.000	15:40
CHK	0.079	15:40
BLK	0.000	15:42
CHK	0.079	15:43
BLK	0.000	15:44

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBh
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010523 Test Number: 471

Test Date: 02/18/2014 Test Time: 15:46 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 541 psi Barometric Pressure: 753 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:47
BLK	0.000	15:48
CHK	0.019	15:48
BLK	0.000	15:50
CHK	0.019	15:50
BLK	0.000	15:52
CHK	0.019	15:52
BLK	0.000	15:54

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

DBH
TL✓

Department of Forensic Science

Serial Number: 010523 Test Number: 472

Test Date: 02/18/2014 Test Time: 15:57 EST

Dry Gas Target: 0.297

Lot Number: AG322702-06 Exp Date: 08/15/2015

Tank Pressure: 522 psi Barometric Pressure: 753 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:58
CHK	0.297	15:58
BLK	0.000	16:00
CHK	0.297	16:01
BLK	0.000	16:03
CHK	0.297	16:04

Test Status: *Success*

Calibration CRC: 9D31064C

Intox EC/IR-II: Accuracy Check

DBH
YLV

Department of Forensic Science

Serial Number: 010523 Test Number: 473

Test Date: 02/18/2014 Test Time: 16:06 EST

Dry Gas Target: 0.099

Lot Number: AG332301-03 Exp Date: 11/19/2015

Tank Pressure: 1125 psi Barometric Pressure: 753 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	16:07
CHK	0.099	16:07
BLK	0.000	16:09
CHK	0.099	16:10
BLK	0.000	16:11
CHK	0.098	16:12

Test Status: *Success*

Calibration CRC: 9D31064C

DBH
TLW




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 02/18/2014
TEST EQUIPMENT NUMBER 010523		

RESULTS: TIME SAMPLE TAKEN 16:21 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 19 Feb 2014 at 17:24

DBH
TLW

Test Results

Instrument Serial Number 010523

Test # 000474 Subject Test

Test Location 1 Department of
Test Date 18 Feb 2014

Test Location 2 Forensic Science
Test Time 16:15
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 18 Feb 2014 End Time 16:23

Result Time 16:21

Result Date 18 Feb 2014

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 16:15

Data Type BLK

Sample Value 0.000

Sample Time 16:16

Data Type CHK

Sample Value 0.099

Sample Time 16:17

Data Type BLK

Sample Value 0.000

Sample Time 16:18

Data Type SUBJ

Sample Value 0.000

Sample Time 16:19

Data Type BLK

Sample Value 0.000

Sample Time 16:20

Data Type SUBJ

Sample Value 0.000

Sample Time 16:21

Data Type BLK

Sample Value 0.000

Sample Time 16:22

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG332301-03

Standard Expiration Date 11/19/2015

Tank Pressure 1125

Barometric Pressure 753 mmHg

Blow Sample Number 1 Blow Duration 4.48 sec

Blow Volume 2401 cc End-of-Blow Time 16:19

Blow Sample Number 2 Blow Duration 3.56 sec

Blow Volume 1894 cc End-of-Blow Time 16:21

Tamper Evident Stamp e50644fa

Test Status Code 0

Test Status Success